Updating your Network Infrastructure Technology Skills to Windows Server 2008
Course Summary

Description

This course provides students with an understanding of Network Infrastructure technology in Windows Server 2008. This course is intended to allow individuals who already have experience with Network Infrastructure technology to upgrade their skills for Windows Server 2008. This course is based on an interim build of Windows Server 2008.

Objectives
At the end of this course, students will be able to:

- Install and configure Windows Server 2008, including using new features and Roles.
- Take advantage of new features in Windows Server 2008, including server and domain isolation, IPv6, and improved DNS functionality.
- Use key functionality and benefits of a Server Core installation, including adding and configuring Roles.
- Manage the new backup infrastructure in Windows Server 2008, including Volume Shadow Copy service, scheduled and manual backups, media, the Universal Disk Format (UDF), and restoring data.
- Describe and use Network Policies and Network Access Protection (NAP) and identify enforcement options.
- Describe and manage Windows Deployment Services, including image capture and management.
- Describe and use new Windows Server Virtualization features to consolidate servers, provide for disaster recovery, and optimize server utilization.
- Use failover clustering and load balancing to maintain a high level of network availability.
- Monitor and optimize network performance using Windows Server 2008's included tools like Windows System Resource Manager.

Topics

- Configuring Windows Server 2008
- Next Generation Networking
- Server Core
- Windows Backup
- Network Policies and Access Protection

- Windows Deployment Services
- Windows Server Virtualization
- High Availability Features
- Performance Monitoring and Optimization

Audience

This course is intended for IT Professionals experienced on the technologies included in Windows Server 2000 and Windows Server 2003, and who hold an MCSE or MCSA certification and/or equivalent knowledge.

Prerequisites

Before attending this course students must have on-the-job experience in planning, implementing, managing, or supporting Microsoft Windows Server 2000 or 2003, including Active Directory and Network Infrastructure. Working knowledge of networking, designed a Microsoft Windows Server 2003 Active Directory and Network Infrastructure, designed Security for a Microsoft Windows Server 2003 Network and installed, configured, and administered Microsoft Windows 2000, Windows XP Professional, or Microsoft Vista.

Duration

Three days

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Course Outline

I. Configuring Windows Server 2008
- A. Server Manager Roles
- B. Windows Server 2008 Features

II. Next Generation Networking
- A. Networking with Windows Server 2008
- B. DNS Overview and Improvements

III. Server Core
- A. Server Core Introduction
- B. Configuring and Managing Server Core

IV. Windows Backup
- A. Backup Infrastructure
- B. Optical Media
- C. Restore Utilities

V. Network Policies and Access Protection
- A. Network Policies Access Protection
- B. Enforcement Options
- C. Network Access Protection Scenarios

VI. Windows Deployment Services
- A. Introducing Windows Deployment Services
- B. WDS Components

VII. Windows Server Virtualization
- A. Introducing Windows Server Virtualization
- B. Configuring Windows Server Virtualization

VIII. High Availability Features
- A. Failover Clustering
- B. Network Load Balancing

IX. Performance Monitoring and Optimization
- A. Windows Reliability and Performance Monitor
- B. Microsoft Windows System Resource Manager